

WHAT IS CLAIMED IS:

1. A method for providing integrated voice, video, and data content in an integrated service offering to one or more customer premises, comprising:

receiving television programming from a programming source;

5 receiving data from a data network;

receiving telephone communications from a telephone network;

10 placing the television programming, data, and telephone communications in a common format for integrated communication over a single network infrastructure using a common communication protocol; and

15 communicating the integrated television programming, data, and telephone communications in the common format over the single network infrastructure using the common communication protocol to one or more customer premises to provide the integrated service offering.

20 2. The method of Claim 1, further comprising communicating data from a customer premises to the data network in the common format over the single network infrastructure using the common communication protocol.

25 3. The method of Claim 1, further comprising communicating telephone communications from a customer premises to the telephone network in the common format over the common network infrastructure using the common communication protocol.

4. The method of Claim 1, wherein the programming source comprises one or more satellite or terrestrial antennas transmitting the content of one or more television channels.

30 5. The method of Claim 1, wherein the programming source comprises one or more digital or tape storage systems transmitting audio or video content.

6. The method of Claim 1, where the programming source comprises one or more non-broadcast, switched linear video or audio sources.

5 7. The method of Claim 1, wherein the data network comprises the Internet.

8. The method of Claim 1, wherein the data network comprises an intranet or an extranet.

10 9. The method of Claim 1, wherein the telephone network comprises the Public Switched Telephone Network.

15 10. The method of Claim 1, wherein the communications protocol comprises a packet-based communications protocol.

11. The method of Claim 1, wherein the communications protocol comprises Internet Protocol (IP).

20 12. The method of Claim 11, wherein communicating the television programming to the customer premises comprises IP multicasting the television programming to multiple customer premises.

13. The method of Claim 1, wherein the single network infrastructure comprises an Ethernet network.

14. The method of Claim 1, further comprising:

providing additional content selected from the group consisting of video-on-demand, pay-per-view video, near-video-on-demand, audio channels, audio-on-demand, interactive games, video including media markup and linking, and audio including media markup and linking; and

5 communicating the selected content in the common format over the single network infrastructure to one or more customer premises using the common communications protocol.

10 15. The method of Claim 1, further comprising displaying a web page at the customer premises that includes content selected from the group consisting of television programming, video-on-demand, pay-per-view video, near-video-on-demand, audio channels, audio-on-demand, and telephone messaging and configuration information.

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16. The method of Claim 1, wherein:
the data comprises media markup and linking information; and
the method further comprises displaying the media markup and linking
information in combination with the television programming at the customer
5 premises.
17. The method of Claim 1, wherein:
the data comprises media markup and linking information; and
the method further comprises displaying the media markup and linking
information in combination with the radio programming at the customer premises.
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18. The method of Claim 16, wherein the media markup and linking
information comprises a link to content selected from the group consisting of
television programming, video-on-demand, pay-per-view video, near-video-on-
15 demand, audio channels, audio-on-demand, and interactive gaming.
19. The method of Claim 1, wherein:
the data comprises media markup and linking information; and
the method further comprises displaying the media markup and linking
information at the customer premises in combination with content selected from the
20 group consisting of video-on-demand, pay-per-view video, near-video-on-demand,
audio channels, audio-on-demand, and interactive gaming.
20. The method of Claim 19, wherein the media markup and linking
information comprises a link to content selected from the group consisting of
television programming, video-on-demand, pay-per-view video, near-video-on-
25 demand, audio channels, audio-on-demand, and interactive gaming.

DOCKET NO. 066015.0103

21. The method of Claim 1, wherein:
the telephone communications comprise caller identification information; and
the method further comprises displaying the caller identification and labeling
information in combination with the television programming at the customer
5 premises.
22. The method of Claim 1, wherein:
the telephone communications comprise caller identification information; and
the method further comprises displaying the caller identification and labeling
information in combination with the radio programming at the customer premises.
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23. The method of Claim 1, further comprising assigning customer
premises to multicast domains to support conditional access of the customer premises
to selected television programming.
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24. The method of Claim 1, further comprising encrypting the integrated
television programming, data, and telephone communications for decryption by
selected customer premises.
- 20 25. The method of Claim 1, further comprising conditioning access to the
integrated television programming, data, and telephone communications based on a
list of approved customer premises devices.
- 25 26. The method of Claim 1, further comprising conditioning access to the
integrated television programming, data, and telephone communications based on the
geographic location of a customer premises device.

27. A system for providing integrated voice, video, and data content in an integrated service offering to one or more customer premises, comprising:

a receiver operable to receive television programming;

5 a video encoder operable to convert the television programming into a common format for communication over a single network infrastructure using a common communication protocol;

a telecommunication switch coupled to a telephone network and operable to receive telephone communications from the telephone network;

10 a gateway operable to convert the telephone communications into the common format for communication over the single network infrastructure using the common communication protocol; and

a router coupled to the video encoder, to the gateway, and to a data network that communicates data in the common format using the common communication protocol, the router operable to:

15 receive the converted television programming, the converted telephone communications, and the data from the data network, all in the common format; and

communicate the converted television programming, the converted telephone communications, and the data in the common format over the single network infrastructure using the common communication protocol to one or more customer premises to provide the integrated service offering.

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28. The system of Claim 27, further comprising a customer premises operable to receive and communicate data over the single network infrastructure using the common communication protocol.

29. The system of Claim 27, wherein the receiver is operable to receive television programming from a satellite dish.

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30. The system of Claim 27, wherein the receiver is operable to receive television programming from an antenna.

31. The system of Claim 27, wherein the receiver is operable to receive television programming from one or more non-broadcast, switched linear video or audio sources.

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32. The system of Claim 27, wherein the receiver is operable to receive television programming from one or more digital or tape storage systems transmitting audio or video content.

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10 33. The system of Claim 27, wherein the data network comprises the Internet.

34. The system of Claim 27, wherein the data network comprises an intranet or an extranet.

15 35. The system of Claim 27, wherein the telephone network comprises the Public Switched Telephone Network.

20 36. The system of Claim 27, wherein the communications protocol comprises a packet-based communications protocol.

37. The system of Claim 27, wherein the communications protocol comprises Internet Protocol (IP).

25 38. The system of Claim 37, wherein communicating the television programming to the customer premises comprises multicasting the television programming to multiple customer premises.

30 39. The system of Claim 27, wherein the single network infrastructure comprises an Ethernet network.

40. The system of Claim 27, further comprising one or more servers operable to communicate additional content in the common format over the single network infrastructure to one or more customer premises using the common communications protocol, the additional content selected from the group consisting of video-on-demand, pay-per-view video, near-video-on-demand, audio channels, audio-on-demand, interactive games, video including media markup and linking, and audio including media markup and linking.

10 41. The system of Claim 27, further comprising one or more servers operable to communicate a web page to the customer premises that includes content selected from the group consisting of television programming, video-on-demand, pay-per-view video, near-video-on-demand, audio channels, audio-on-demand, and telephone configuration information.

15 42. The system of Claim 27, further comprising one or more servers operable to communicate media markup and linking information in combination with the television programming to the customer premises.

20 43. The system of Claim 42, wherein the media markup and linking information comprises a link to content selected from the group consisting of television programming, video-on-demand, pay-per-view video, near-video-on-demand, audio channels, audio-on-demand, and interactive gaming.

25 44. The system of Claim 27, further comprising one or more servers operable to communicate media markup and linking information to the customer premises in combination with content selected from the group consisting of video-on-demand, pay-per-view video, near-video-on-demand, audio channels, audio-on-demand, and interactive gaming.

45. The system of Claim 44, wherein the media markup and linking information comprises a link to content selected from the group consisting of television programming, video-on-demand, pay-per-view video, near-video-on-demand, audio channels, audio-on-demand, and interactive gaming.

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46. The system of Claim 27, wherein:
the telephone communications comprise caller identification information; and
the system further comprises displaying the caller identification information in combination with the television programming at the customer premises.

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47. The system of Claim 27, wherein the router is further operable to assign customer premises to multicast domains to condition access of the customer premises to selected television programming.

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48. The system of Claim 27, further comprising encryption software operable to encrypt the integrated television programming, data, and telephone communications for decryption by selected customer premises.

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49. The system of Claim 27, wherein the router is further operable to condition access to the integrated television programming, data, and telephone communications based on a list of approved customer premises devices.

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50. The system of Claim 27, wherein the router is further operable to condition access to the integrated television programming, data, and telephone communications based on the geographic location of a customer premises device.

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